



Image may be representation.  
See specifications for product details.



## STM32F215VGT7

Manufacturer Part Number	<b>STM32F215VGT7</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F215VGT7
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 1MB FLASH 100LQFP
Package	100-LQFP
Data sheet	<b>STM32F215xx, STM32F217xx.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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STM32F215VGT7 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F215VGT7 datasheet/specifications on AllelcoElec.com.  
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## Specifications

STM32F215VGT7 Tech Specifications

STM32F215VGT7 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	82
Speed	120MHz	Mounting Type	Surface Mount
Series	STM32F2	EEPROM Size	-
RAM Size	132K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG
Package / Case	100-LQFP	Base Product Number	STM32F215
Package	Tray		

## Parts with Similar Specifications

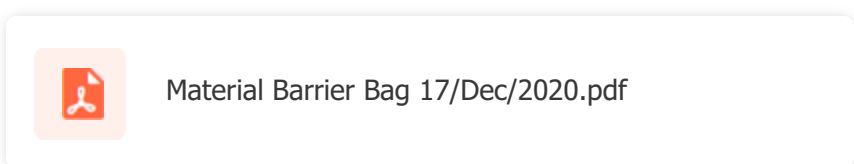
The three parts on the right have similar specifications to STMicroelectronics STM32F215VGT7

Product Attribute				
Part Number	STM32F215VGT7	<b>STM32F207ZGT6TR</b>	<b>STM32F207ZFT6</b>	<b>STM32F215VGT6</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	100-LQFP (14x14)	144-LQFP (20x20)	144-LQFP (20x20)	100-LQFP (14x14)
EEPROM Size	-	-	-	-
Number of I/O	82	114	114	82
Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG	CANbus, Ethernet, I <sup>2</sup> C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG	CANbus, Ethernet, I <sup>2</sup> C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG	CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tray	Tape & Reel (TR)	Tray	Tray
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Speed	120MHz	120MHz	120MHz	120MHz
Package / Case	100-LQFP	144-LQFP	144-LQFP	100-LQFP
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	STM32F215	STM32F207	STM32F207	STM32F215
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	768KB (768K x 8)	1MB (1M x 8)
RAM Size	132K x 8	132K x 8	132K x 8	132K x 8
Series	STM32F2	STM32F2	STM32F2	STM32F2
Data Converters	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

## STM32F215VGT7 Datasheet PDF

Download STM32F215VGT7 pdf datasheets and STMicroelectronics documentation for STM32F215VGT7 - STMicroelectronics.

### PCN Packaging



### PCN Assembly/Origin

Mult Dev 01/Mar/2021.pdf

## PCN Design/Specification

Mult Dev 03/Nov/2022.pdf

Mult Dev Material Chgs 28/Feb/2023.pdf

STM32F2yyy 16/Jul/2021.pdf

## HTML Datasheet

STM32F215xx, STM32F217xx.pdf

## Customers Also Interested in

### Recommended Products



**STM32F207ZGT6TR**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



**STM32F207ZFT6**  
STMicroelectronics  
IC MCU 32BIT 768KB FLASH 144LQFP



**STM32F215VGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



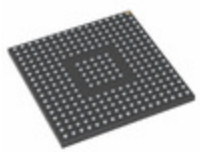
**STM32F217IGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 176LQFP



**STM32F217VGT6TR**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



**STM32F215RET6**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



**STM32F217IGH6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 176UFBGA



**STM32F215RGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



**STM32F217VGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



**STM32F207ZGT7**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



**STM32F217IGH6,32**  
STMicroelectronics



**STM32F215ZET6**  
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IC MCU 32BIT 512KB FLASH 144LQFP



**STM32F215ZGT7TR**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



**STM32F207ZET6TR**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 144LQFP



**STM32F207ZFT6,32**  
STMicroelectronics



**STM32F207ZGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



**STM32F217VET6**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 100LQFP



**STM32F215ZGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



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Contact us if you have any questions.



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## Certifications & Memberships



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